



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

Deviation

C10
Job Sheet 193851



Part No: C10

Job Qty: 1 pcs

Part Name: C-Series Remote Hook 10,000 lbs Lift Capacity



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 4/23/19

Job Tracking No:

Due Date: 5/16/19

Created By: Marie Lajeunesse

DAS
03
030

Type: SOLD

Description:

Note: IPP REV:A 17.10.23 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	External Load - 1	1 pcs	5/16/19	5/16/19	0.00	2.00	External Load - 1		AP Michel
							External Load - 2		
							External Load - 3		
110	External Load - 2 - B4B	1 pcs	5/16/19	5/16/19	0.00	2.00	External Load - 1 - B4B		AP 2019/08/20
							External Load - 2 - B4B		
							External Load - 3 - B4B		
120	QC 5	1 pcs	5/16/19	5/16/19	0.00	0.00	QC 5 - 10		SMB 19/8/20
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
130	DC - 1 - B4B	1 pcs	5/16/19	5/16/19	0.00	0.00	DC - 1 - B4B		AUG 2 1 2019
							DC - 2 - B4B		
140	Packaging 3-1 - Stock - B4B	1 pcs	5/16/19	5/16/19	0.00	0.00	Packaging 3 - 1 - B4B		
							Packaging 3 - 2 - B4B		
							Packaging 3 - 3 - B4B		
							Packaging 3 - 4 - B4B		
							Packaging 3 - 5 - B4B		
							Packaging 3 - 6 - B4B		



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Container No: S199012



Part: C10

Job No: 193851

Serial No/Batch: S199012

Revision: D

Inspector:

Exp Date:

Instructions:

Date: 07/19/19

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P.T.O.

				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
200	QC 21 - FG	1 pcs	5/16/19	0.00 0.00	QC 21 - FG - 21
					QC 21 - FG - 70
					QC 21 - SA - 53

SMB
19/8/20

AUG 2 1 2019

Part Op 100 - Issue S/N

Descriptions: 110 - Small Fab - 1- PICK C10-2 AND LASER ENGRAVE AS PER DWG . SEE NOTE 3 AND 4 ON SHEET 3. 2- ASSEMBLE AS PER DWG 3- PERFORM ALL NECESSARY TEST USING FAI TEST SHEET.

120 - QC5- Inspect part completeness to step on W/O

130 - Document Control - Photocopy blue file and create labels

140 - Identify as per dwg & Stock Location:

200 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
188-FPSS-1/4-20-3/8	Set Screw	2 Ea (2 ea)	100-External Load - 1	5048557
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	110-External Load - 2 - B4B	5110495
188-SHCS-1032-3/4	Bolt	8 Ea (8 ea)	110-External Load - 2 - B4B	5104207
32446	Crimp Terminal	2 Ea (2 ea)	110-External Load - 2 - B4B	5047075
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	110-External Load - 2 - B4B	5151100
7856K75	Heat Shrink Tubing Color Black	.5000 ft (.5 ea)	110-External Load - 2 - B4B	5190246
AN4-23A 24A	Bolt	2 Ea (2 ea)	110-External Load - 2 - B4B	5123434 5196193
AN6-31A	Bolt	6 Ea (6 ea)	110-External Load - 2 - B4B	5166714
C10-1	Side Plate Solenoid Side	1 pcs (1 ea)	110-External Load - 2 - B4B	5105122 5179680
C10-10-1	Actuator Shaft	1 pcs (1 ea)	110-External Load - 2 - B4B	5125620

C10-10-2	Actuator Pin	1 pcs (1 ea)	110-External Load - 2 - B4B	5118669
C10-10-3	Actuator Bushing	2 pcs (2 ea)	110-External Load - 2 - B4B	5163209
C10-11	Manual Release Knob	1 pcs (1 ea)	110-External Load - 2 - B4B	5102125
C10-12	Solenoid	1 pcs (1 ea)	110-External Load - 2 - B4B	5193918
C10-12-1	Spring Pin	1 pcs (1 ea)	110-External Load - 2 - B4B	5068046
C10-2	Side Plate - MRK	1 pcs (1 ea)	110-External Load - 2 - B4B	5104541
C10-21-1	Clock Spring	2 pcs (2 ea)	110-External Load - 2 - B4B	5089546
C10-21-2	Spring Cover	2 pcs (2 ea)	110-External Load - 2 - B4B	5108588
C10-21-4	Lock Washer	8 Ea (8 ea)	110-External Load - 2 - B4B	5089140
C10-22	Lock Bumper	3 pcs (3 ea)	110-External Load - 2 - B4B	5193860
C10-23	Keeper Weldment	1 pcs (1 ea)	110-External Load - 2 - B4B	5097495
C10-23-1	Keeper Spacer	1 pcs (1 ea)	110-External Load - 2 - B4B	5029200
C10-23-2	Keeper Spring	1 pcs (1 ea)	110-External Load - 2 - B4B	5060601
C10-23-3	Keeper Bushing	2 pcs (2 ea)	110-External Load - 2 - B4B	5101292
C10-3	Load Beam Bumper	1 pcs (1 ea)	110-External Load - 2 - B4B	5096426
C10-4	Lock	1 pcs (1 ea)	110-External Load - 2 - B4B	5116484
C10-4-10	Spring Anchor Pin	2 pcs (2 ea)	110-External Load - 2 - B4B	5068047
C10-4-11	Lock Shaft	1 pcs (1 ea)	110-External Load - 2 - B4B	5064933
C10-4-2	Lower Lock Roller	1 pcs (1 ea)	110-External Load - 2 - B4B	5029210
C10-4-3	Upper Lock Roller	1 pcs (1 ea)	110-External Load - 2 - B4B	5029212
C10-4-4	Upper Lock Roller Shaft	1 pcs (1 ea)	110-External Load - 2 - B4B	5029213
C10-4-5	Lower Lock Roller Shaft	1 pcs (1 ea)	110-External Load - 2 - B4B	5029214
C10-4-6	Lock Spring	1 pcs (1 ea)	110-External Load - 2 - B4B	5068048
C10-4-7	Spring Retaining Pin	1 pcs (1 ea)	110-External Load - 2 - B4B	5029216
C10-4-8	Lock Bushing	2 pcs (2 ea)	110-External Load - 2 - B4B	5173679
C10-4-9	Upper Roller DU Bearing	1 pcs (1 ea)	110-External Load - 2 - B4B	5068887
C10-41	Strain Relief Connector	1 Ea (1 ea)	110-External Load - 2 - B4B	5083917
C10-5A	Load Beam Assembly	1 pcs (1 ea)	110-External Load - 2 - B4B	5131994
C10-7	Locating Pin	3 pcs (3 ea)	110-External Load - 2 - B4B	5101823
C10-8	Trunnion Bushing	2 pcs (2 ea)	110-External Load - 2 - B4B	5125590
C10-9-1	Latch	1 pcs (1 ea)	110-External Load - 2 - B4B	03-2479
C10-9-2	Latch Bearing	1 Ea (1 ea)	110-External Load - 2 - B4B	5194886
C10-9-4	Latch Shaft Bearing	2 pcs (2 ea)	110-External Load - 2 - B4B	5194938
C10-9-5	Latch Pin	1 pcs (1 ea)	110-External Load - 2 - B4B	5074221
C10-9-6	Latch Return Spring	2 Ea (2 ea)	110-External Load - 2 - B4B	5176129

	C3-12-6	Lock Roller Pin Circlip	2 Ea (2 ea)	110-External Load - 2 - B4B	5157956
P	C45-12-6	Retaining Ring	2 Ea (2 ea)	110-External Load - 2 - B4B	5029303
N	C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	110-External Load - 2 - B4B	5199513
	C45-8-5	Solenoid Cover	1 pcs (1 ea)	110-External Load - 2 - B4B	5175959
	EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	110-External Load - 2 - B4B	5097886
	EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge replace w/t 01004-08-047	1 ft (1 ea)	110-External Load - 2 - B4B	5179682
	MS21044N6	Nut, Self-Lock .375-24, UNJF-3B	6 Ea (6 ea)	110-External Load - 2 - B4B	5181732
	MS21083N4	Nut	2 Ea (2 ea)	110-External Load - 2 - B4B	5062621-1
	MS27039-4-08	Screw	1 Ea (1 ea)	110-External Load - 2 - B4B	5039330
	NAS1149F0432P	Washer	2 Ea (2 ea)	110-External Load - 2 - B4B	5131202
	NAS1149F0463P	Washer	3 Ea (3 ea)	110-External Load - 2 - B4B	5097088-1
	NAS1149F0632P	Washer	12 Ea (12 ea)	110-External Load - 2 - B4B	5051477-2

1663P

Loctite 242 (5186572)

Loctite 620 (5194792)

Def-t-eye CM128063)

Aeroshell grease NO.7 (5138964)

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-External Load - 1	188-FPSS-1/4-20-3/8	2	100	0
110-External Load - 2 - B4B	188-FPSS-1032-1/4	2	194	0
	188-SHCS-1032-3/4	8	276	0
	32446	2	706	0
	32448	2	215	0
	7856K75	1	27	0
	AN4-23A	2	686	0
	AN6-31A	6	58	0
	C10-1	1	6	0
	C10-10-1 - PC	1	2	0
	C10-10-2	1	97	0
	C10-10-3	2	17	0
	C10-11	1	9	0
	C10-12	1	6	0
	C10-12-1	1	96	0
	C10-2	1	6	0
	C10-21-1	2	54	0
	C10-21-2	2	16	0
	C10-21-4	8	253	0
	C10-22	3	20	0
	C10-23	1	6	0
	C10-23-1	1	49	0
	C10-23-2	1	31	0
	C10-23-3	2	20	0
	C10-3	1	15	0
	C10-4	1	9	0
	C10-4-10	2	88	0
	C10-4-11	1	20	0
	C10-4-2 PPP	1	1	0
	C10-4-3 PPP	1	1	0
	C10-4-4 PPP	1	0	0
	C10-4-5 PPP	1	0	0
	C10-4-6	1	14	0
	C10-4-7	1	13	0
	C10-4-8	2	48	0
	C10-4-9	1	12	0
	C10-41	1	28	0
	C10-5A	1	11	0
	C10-7	3	141	0
	C10-8 - PC	2	0	0
	C10-9-1	1	21	0
	C10-9-2	1	12	0
	C10-9-4 - PC	2	3	0
	C10-9-5	1	14	0
	C10-9-6	2	10	0
	C3-12-6	2	52	0
	C45-12-6	2	110	0
	C45-8-4	1	26	0
	C45-8-5	1	19	0
	EL-PLUG-M	1	37	0
	EL314-SJTOW	1	0	0
	MS21044N6	6	57	0
	MS21083N4	2	172	0
	MS27039-4-08	1	226	0
	NAS1149F0432P	2	2,105	0
	NAS1149F0463P	3	509	0
	NAS1149F0632P	12	389	0

Part Specifications

Specifications could not be found.

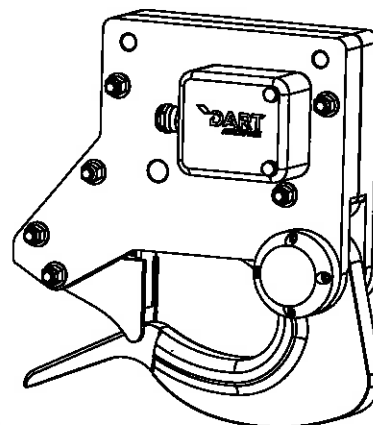
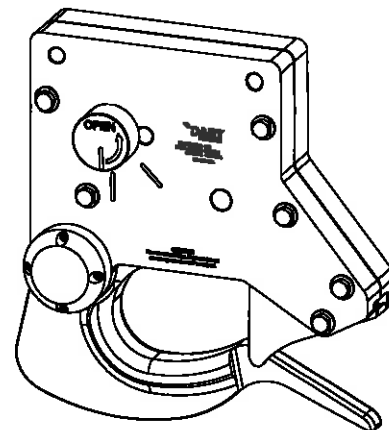
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ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			C10-1	1	SIDE PLATE SOLENOID SIDE			2
			C10-2	1	SIDE PLATE - M/RK			2
			C10-3	1	LOAD BEAM BUMPER			3
			C10-4	1	LOCK	4140/4142		3
			C10-4-2	1	LOWER LOCK ROLLER	4140/4142		3
			C10-4-3	1	UPPER LOCK ROLLER	4140/4142		3
			C10-4-4	1	UPPER LOCK ROLLER SHAFT	4140/4142		3
			C10-4-5	1	LOWER LOCK ROLLER SHAFT	4140/4142		3
	B/O		C10-4-6	1	LOCK SPRING	STEEL	Ø1/4 X Ø.029 WIRE X 3-1/2, 3.34 LB MAX, 1.27 LBS/IN [MCMASTER-CARR #9654K115]	3
	B/O		C10-4-7	1	SPRING RETAINING PIN	STEEL	Ø3/16 X 1-1/8 [MCMASTER-CARR #90692A151]	3
			C10-4-8	2	LOCK BUSHING	4140/4142		3
	B/O		C10-4-9	1	UPPER ROLLER DU BEARING		106DU12	3
	B/O		C10-4-10	2	SPRING ANCHOR SPRING PIN	STEEL	Ø3/16 X 1-3/4 [MCMASTER-CARR #90692A729]	3
			C10-4-11	1	LOCK SHAFT	4140/4142		3
	B/O		C5-12-6	2	LOCK ROLLER RETAINING RING	STEEL	Ø 3/8 [KAMAN #5100-0037-SFF]	3
	B/O		C45-12-6	2	RETAINING RING	STEEL	[KAMAN #N1400-0030]	3
			C10-5A	1	LOAD BEAM ASSEMBLY			2
	B/O		C10-7	3	LOCATING PIN	STEEL	Ø1/4 X 1-1/4 [MCMASTER-CARR #98381A54]	3
			C10-8	2	TRIUNION BUSHING	4140/4142		2
			C10-9-1	1	LATCH	4140/4142		3
	B/O		C10-9-2	1	LATCH BEARING		(TORRINGTON #NBCP1472P)	3
			C10-9-4	2	LATCH SHAFT BUSHING	4140/4142		3
			C10-9-5	1	LATCH SHAFT	4140/4142		3
	B/O		C10-9-6	2	LATCH RETURN SPRING	STEEL	Ø3/8 X Ø.035 WIRE X 2.25, 3.80 LB MAX, 1.25 LBS/IN [MCMASTER-CARR #9654K193]	3
	B/O		C10-10-1	1	ACTUATOR SHAFT	4140/4142		3
	B/O		C10-10-2	1	ACTUATOR PIN	STEEL	Ø1/4 X 1-1/2 [MCMASTER-CARR #98294A930]	3
	B/O		C10-10-3	2	ACTUATOR BUSHING		[KAMAN #SF-2028-10]	3
			C10-11	1	MANUAL RELEASE KNOB	6061		2
			C10-12	1	SOLENOID ASSY			2
			C45-8-4	1	SOLENOID COVER GASKET	BLENDED RUBBER		2
			C45-8-6	1	SOLENOID COVER	6061		2
			C10-21-1	2	CLOCK SPRING	301		2
			C10-21-2	2	SPRING COVER	6061		2
	B/O		C10-21-4	8	LOCK WASHER	STEEL	# 10 LOCK WASHER [MCMASTER-CARR #91102A740]	2
			C10-22	3	BUMPER	POLYURETHANE		3
			C10-23	1	KEEPER WELDMENT			2
			C10-23-1	1	KEEPER SPACER	1018/1020		2
	B/O		C10-23-2	1	KEEPER SPRING	S3 303	Ø.102 X 12 DENDOFF	2
			C10-23-3	2	KEEPER BUSHING	SINTERED BRONZE	(SYMMCO SS-2028-32) MODIFIED	2
	B/O		C10-41	1	STRAIN RELIEF CONNECTOR	BRASS	1/2 TRADE SIZE [MCMASTER-CARR #6007K14]	2
	B/O		188-PP35-1032-1/4	2	SET SCREW	S.S.	10-32 X 1/4 [MCMASTER-CARR #94355A330]	3
	B/O		188-PP35-1/4 20-3/8	2	SET SCREW	S.S.	1/4-20 [MCMASTER-CARR #92913A335]	2
	B/O		188-SHCS-1032-3/4	8	BOLT	STEEL	SHCS 10-32 X 3/4 [MCMASTER-CARR #90128A945]	2
	B/O		AN4-23A	2	BOLT	STEEL	1/4-28 X 2.41	2
	B/O		AN6-31A	6	BOLT	STEEL	3/8-24	2
	B/O		AN90-416	3	WASHER	STEEL	1/4	2
	B/O		AN960-416L	2	WASHER	STEEL	Ø1/4	2
	B/O		AN960-416L	12	WASHER	STEEL	Ø3/8	2
	B/O		M521083M	2	NYLOCK NUT	STEEL	1/4-28 LOW PROFILE	2
	B/O		M521044N6	6	LOCK NUT	STEEL	3/8-24	2
	B/O		M527039-4-08	1	SCREW	STEEL	1/4-28 X 17/32	2
			600.1309	1	LABEL	ALUMINUM		N/S
			600.1309-A	1	LABEL	ALUMINUM		N/S
	B/O		803.1347	1	C10 WARNING LABEL	VINYL	SIGNS NOW	N/S
	B/O		C2-14-2	2	LABEL BUSTS	18-8 S.S.	NO 4 [MCMASTER-CARR #91654A106]	N/S
	B/O		BL-PLUG-M	1	MALE PLUG	PE High Density	[MCMASTER-CARR #721655]	2
			EL314-SJTOW	1	ELECTRICAL WIRE 3/14 SJTOW		[ALLIED ELECTRONICS 32448]	2
	B/O		32448	2	16-14 AWG IN/IN CONNECTOR			2
	B/O			1	HEAT SHRINK TUBE	RUBBER	[MCMASTER-CARR #2595K2]	N/S

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
1	14-0219	DELETED C2-14-2, 600.1309, 600.1347.	11/20/2014	RJC
2	15-0072	UPDATED TO NEW DRAFTING STANDARDS. ADDED C2-14-3, 600.1309-A, 600.1347, 32448 DELETED. CHD PARTS WAS C10-4-12 IS C2-12-6, WAS C10-4-12 IS C45-12-6, WAS C10-12-3 IS MASTERBUSH, WAS C10-24 IS AN960-416L. ADDED REBUILD ONLY NOTES. ADDED ENGRAVING NOTES AND DETAILS.	3/31/2015	DPD
3	15-0254	C10-9-3 REPLACED W/ 188-PP35-1032-1/4, C10-11-1 REPLACED W/ 188-PP35-1/4 20-3/8, C10-21-3 REPLACED W/ 188-SHCS-1032-3/4, 32448 REPLACED W/ 32448.	9/9/2015	DPD

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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 193801 MJS
19-04-23



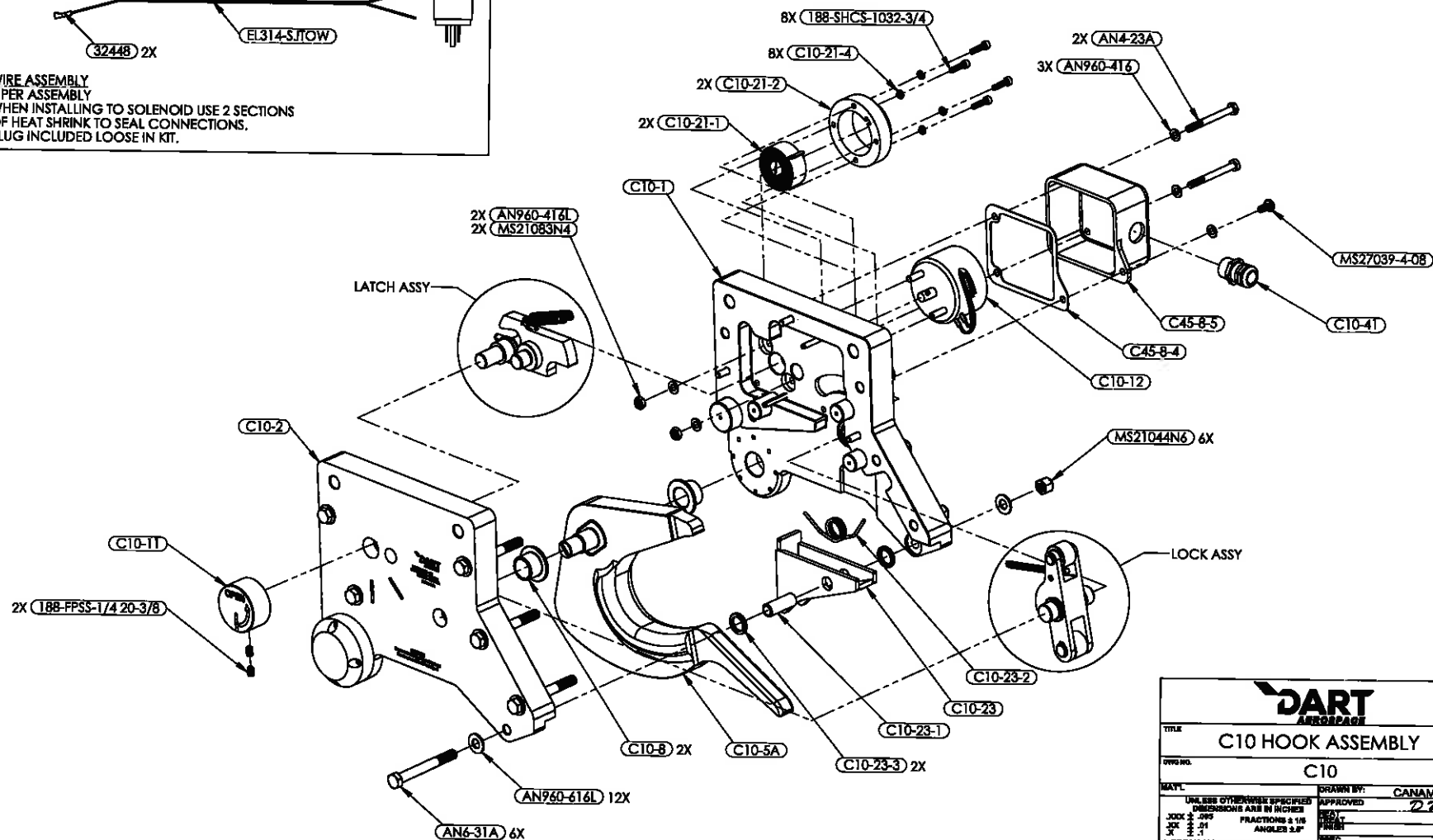
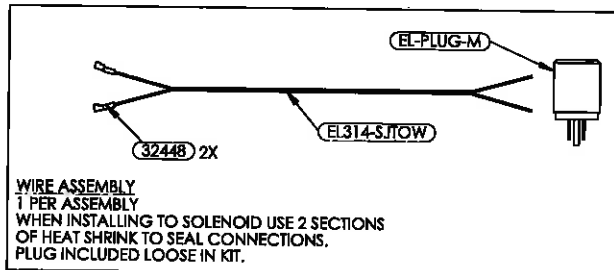
NOTES:

- ⚠ FOR REBUILD ONLY.
- ⚠ FOR CUSTOMER REBUILD ONLY.

DART AEROSPACE	
C10 HOOK ASSEMBLY	
TITLE	REV 3
DWG NO.	C10
DATE	11/20/2014
DRAWN BY:	CANAM
APPROVED:	<i>D. Hall</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DEC ±.005 FRACTIONS ±.01 X ±.1 ANGLES ±.5° 1. BREAK ALL SHARP EDGES .015 ±.01 OR .0125 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	DATE
1:4	SHEET 1 OF 4

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REV	ECR	DESCRIPTION	REVISIONS		
			DATE	INITIAL	APPROVED
1	14-0219	DELETED C2-14-2, 400.1309, 400.1347.	11/20/2014	RJC	JAG



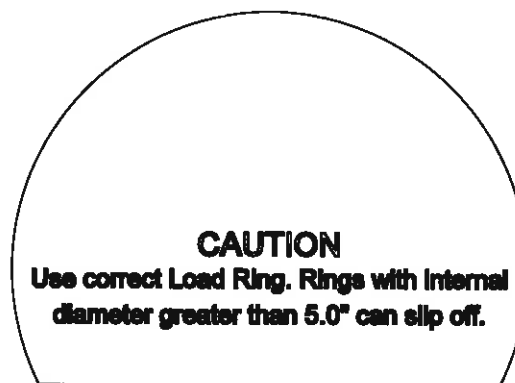
DART AEROSPACE	
TITLE C10 HOOK ASSEMBLY	
OWB NO. C10	REV 3
DRAWN BY: CANAM	APPROVED <i>D. Med</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
JOK 3: 0.05	FRACTIONS 3/16
3X 2: .25	ANGLES 3/8"
3X 2: .1	DECIMALS
1. BREAK ALL SHARP EDGES .010 x 45°	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 11/20/2014
SHEET 2 OF 4	

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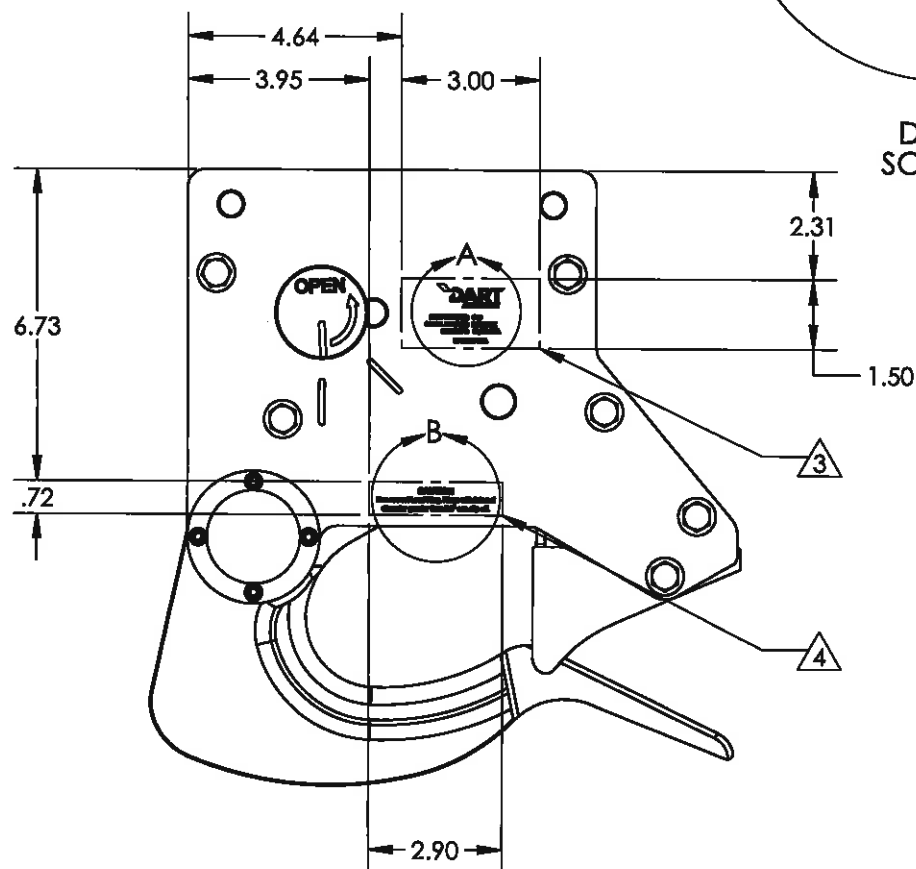
REVISIONS				DATE	INITIAL	APPROVED
REV	ECR	DESCRIPTION				
2	15-0072	ADDED ENGRAVING NOTES AND DETAILS.			3/31/2015	DPD JAG



DETAIL A
SCALE 1 : 1



DETAIL B
SCALE 1 : 1



NOTES:

- 3 LASER ENGRAVE DART LOGO, P/N, S/N, "MADE IN USA," WITHIN BOUNDARY.
- 4 LASER ENGRAVE CAUTION NOTE, WITHIN BOUNDARY.

DART AEROSPACE	
TITLE C10 HOOK ASSEMBLY	
DWG NO. C10	REV 3
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CANAM APPROVED <i>D. West</i> HEAT TREAT FINISH SPEC USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE SHEET 4 OF 4



Remote Cargo Hook Test Form

C10

Work Order 193851

Customer _____

Serial Number 5199012

Date 2019-8-20

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	5,000	Electrical, 25 volts	No "hang ups" permitted	N/A	Pass
2	10,000	Electrical, 22 volts	Current shall not exceed 12.4A	9.2 Amp.	Pass
2	7,500	Electrical, 22 volts	Current shall not exceed 12.4A	8.9 Amp.	Pass
2	5,000	Electrical, 22 volts	Current shall not exceed 12.4A	8.3 Amp.	Pass
2	2,500	Electrical, 22 volts	Current shall not exceed 12.4A	8.3 Amp.	Pass
2	500	Electrical, 22 volts	Current shall not exceed 12.4A	8.3 Amp.	Pass
1	10,000	Electrical, 20 volts	Current shall not exceed 11.3A	7.6 Amp.	Pass
1	10,000	Electrical, 28 volts	Current shall not exceed 15.8A	10.8 Amp.	Pass
1	10,000	Manual		N/A	Pass
1	10,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	1.9 Ohms	Pass
1	N/A	Electrical Continuity	Across both wires	N/A	Pass

Test Conducted By

Michel Lelonde

Technician

Signature:

Sylvain Bouché

QC 5 Small FAB / QA

Submit



Remote Cargo Hook Test Form

C10

Work Order 193851

Customer _____

Serial Number 5199012

Date 2019-8-20

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	5,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	10,000	Electircal, 22 volts	Current shall not exceed 12.4A	9.2 Amp.	Pass
2	7,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.9 Amp.	Pass
2	5,000	Electircal, 22 volts	Current shall not exceed 12.4A	8.3 Amp.	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.3 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	8.3 Amp.	Pass
1	10,000	Electircal, 20 volts	Current shall not exceed 11.3A	7.6 Amp.	Pass
1	10,000	Electircal, 28 volts	Current shall not exceed 15.8A	10.8 Amp.	Pass
1	10,000	Manual		N/A	Pass
1	10,000	Impact Test	Impact shackle 10times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	1.9 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By

Michael Lelouch

Technician

Signature:

Sylvan Bayon

QC 5 Small FAB / QA

Submit

Entered: 7LDate: Oct 21/19NCR No. 19-7431

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only ☐

Job: <u>193851</u> Part No. <u>C series hooks and SWA Swivels</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☒ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐		
Date: <u>2019/08/20</u>	Sequence #:	QTY Affected: <u>1</u>	MRB (QSI042) May, 9 2019 Completed By <u>A. PATRY</u> Lead hand / Supervisor DAS 30 9-89 OCT 11 2019 QC / QA Coordinator DAS 68 9-89 OCT 11 2019	
Description Work Order Deviation The electrical wires listed under "Acceptable Alternate Wire" on the attached sheet are acceptable to use in place of the "Drawing Specified Wire"		Disposition This deviation is acceptable. No change to fit form or function. The job route must specify the wire that is called out on the drawing The inventory P/N must reflect the same P/N that was received from a vendor		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☒ Process Improvement ☐ Human Factors ☐	FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☒ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:				